CLAIMS

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- 1. Method in a mobile telecommunication network for detection of device information including subscriber information and equipment information, the network comprising a mobile station with a terminal part and with a module for subscriber information and an application, the network further comprising a repository for storing device information, the method being c h a r a c t e r i z e d in that the application in the mobile station
 - a) detecting device information of a mobile station attaching to the network,
- b) comparing the detected device information to the device information previously stored in the mobile station, and
 - c) sending the detected device information to be stored in the network repository if it does not correspond to the information previously stored.
- 2. Method of claim 1, c h a r a c t e r i z e d in that the application is situated in the module for subscriber information and is executed by a signal from the operation system of the module for subscriber system when the mobile terminal is switched on.
- 3. Method of claims 1 and 2, c h a r a c t e r i z e d in that when detecting equipment information, the application reads the previously stored device information from a memory space in the mobile station from the module with subscriber information and the application requests the detected device information from the terminal of the mobile station, the detected information being compared to the previously stored device information.
 - 4. Method of claims 1 and 2, c h a r a c t e r i z e d in that when detecting equipment information, the detected device information is compared to the device information previously stored in the mobile station by means of an indicator, which is read by the application from a memory space in the mobile station, the value of the indicator indicating whether a switch of the module with subscriber information has taken place.

5. Method of any of claims 1 - 4, c h a r a c t e r i z e d in that when the network is based on GSM or UMTS, the module with subscriber information is the Subscriber Identity Module (SIM) or the Universal Subscriber Identity Module (USIM), respectively.

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- 6. Method of claim 3, c h a r a c t e r i z e d in that when detecting equipment information, a terminal switch is detected and the application is a Terminal Switch Application (TSD) in the Subscriber Identity Module (SIM) of the mobile station.
- 7. Method of claim 6, c h a r a c t e r i z e d in that the device information detected by said terminal switch application consists of equipment information, such as the International Mobile Equipment (IMEI) number.
- 8. Method of any of claims 5 7, c h a r a c t e r i z e d in that the repository stores

 lists of pairs of International Mobile Equipment (IMEI) numbers and either or both

 of International Mobile Subscriber Identity (IMSI) numbers and Mobile Station

 Integrated Service Digital Network (MSISDN) numbers.
 - 9. Method claims 7 and 8, c h a r a c t e r i z e d in that when the IMEI value detected does not correspond to the IMEI previously stored on the SIM card it is updated to the SIM card and sent to be stored in said repository storing pairs of IMEI/IMSI and or MSISDN values.
- 10. Method of claim 4, c h a r a c t e r i z e d in that when detecting subscriber information, a SIM switch is detected and the application is a SIM Switch Application in the Subscriber Identity Module (SIM) of the mobile station.
- 11. Method of any of claims 5, 9 and 10, c h a r a c t e r i z e d in that the repository stores lists of pairs of International Mobile Subscriber Identity (IMSI) numbers,
 30 Mobile Station Integrated Service Digital Network (MSISDN) numbers and Integrated Circuit Card ID (ICCID) numbers.

- 12. Method claims 10 and 11, c h a r a c t e r i z e d in that the device information detected by said SIM switch application is an indicator value indicating whether a SIM switch has taken place.
- 13. Method claim 12, c h a r a c t e r i z e d in that when according to said indicator value, a SIM switch has taken place, subscriber information, such as new IMSI/MSISDN/ICCID values, are sent to be stored in said repository storing pairs of IMSI/MSISDN/ICCID values and said indicator value is updated to tell about the SIM switch.

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- 14. Mobile telecommunication network for detection of device information including subscriber information and equipment information, the network comprising a mobile station with a terminal part and with a module for subscriber information and an application, the network further comprising a repository for storing of device information.
- c h a r a c t e r i z e d in that the mobile station has an application for detecting device information, and in that the network further comprises a detector for handling device information, and
 - a repository for storing device information.

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15. Mobile telecommunication network of claim 14, c h a r a c t e r i z e d in that the network is based on GSM or UMTS, the module with subscriber information being the Subscriber Identity Module (SIM) or the Universal Subscriber Identity Module (USIM), respectively.

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- 16. Mobile telecommunication network of claim 14 or 15, c h a r a c t e r i z e d in that the application for detecting device information consists of a device switch application in the Subscriber Identity Module (SIM) of the mobile station.
- 30 17. Mobile telecommunication network of claim 16, c h a r a c t e r i z e d in that the device switch application in the Subscriber Identity Module (SIM) of the mobile station is a Terminal Switch Application.

18. Mobile telecommunication network of claim 17, c h a r a c t e r i z e d in that the repository stores lists of pairs of International Mobile Equipment (IMEI) numbers and any or both of International Mobile Subscriber Identity (IMSI) numbers and MSISDN values.

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19. Mobile telecommunication network of any of claims 14 - 18, c h a r a c t e r i z e d in that the detector for handling device information is a Terminal Switch Detector (TSD).

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20. Mobile telecommunication network of claim 16, c h a r a c t e r i z e d in that the device switch application in the Subscriber Identity Module (SIM) of the mobile terminal is a SIM Switch Application.

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21. Mobile telecommunication network of claim 17, c h a r a c t e r i z e d in that the repository stores lists of International Mobile Subscriber Identity (IMSI) numbers, Mobile Station Integrated Service Digital Network (MSISDN) numbers and Integrated Circuit Card ID (ICCID) numbers.

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22. Mobile telecommunication network of claim 20 and 21, c h a r a c t e r i z e d in that the Subscriber Identity Module (SIM) contains a variable indicating whether the new IMSI/MSISDN/ICCID information has been stored in the repository.

23. Mobile telecommunication network of any of claims 20 - 22, c h a r a c t e r i z e d in that the detector for handling device information is a SIM Switch Detector (SSD).

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24. Mobile station with a terminal part and a module for subscriber information and an application, c h a r a c t e r i z e d in that the application is intended for detection of device information.

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25. Mobile station of claim 24, c h a r a c t e r i z e d in that the application for detection of device information is a device switch application in the Subscriber Identity Module (SIM) of the mobile station.

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- 26. Mobile station of claim 25, c h a r a c t e r i z e d in that the device switch application in the Subscriber Identity Module (SIM) of the mobile station is a Terminal Switch Application.
- 5 27. Mobile station of claim 25, c h a r a c t e r i z e d in that the device switch application in the Subscriber Identity Module (SIM) of the mobile terminal is a SIM Switch Application.

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